

- agitating at a temperature of approximately 90°F. and then in raising the temperature to approximately 300°F.-350°F. at this temperature the mixture at this temperature is formed.
- 7 The substance so formed can be sold in packets or from bulk and can be made up by mixing well with a suitable quantity of hot water. It will be understood that suitable oils such as almond oil, usually incorporated in cosmetic creams may be added and it is preferable to add such oils or the like to the mixture during the final heating, that is, when the mixture is being heated between 300°F.-350°F.
- 16 It is well known to manufacture ointments, cosmetic creams and like substances by the absorption of a suitable oil or fatty acid by means of an alkali such as Potassium Hydroxide. However, such processes have as far as I am aware, had for the product the ointment or cream. In one case, it has been proposed to produce a cosmetic substance as a substantially dry, solid cake, firstly by preparing what may be termed a synthetic base from suitable oils, fatty acids, potassium hydroxide and a water soluble dispersing agent, and in preparing a water emulsion from such wax and adding pigments and dyes, the mix then being dried and pulverized to produce a powder which is compressed to form a cake. However, was for application to the skin by the use of water as a vehicle as a "make up base." The manufacture of powder soap or soap chips has also been described wherein the soap is first dried at a temperature between 80° and 110°F., until the moisture content of the soap has been reduced to about 10%, whereupon the temperature is raised to 175°F. or even to 200°F., so that the final moisture content of the soap does not exceed 3%.
- 40 Whilst I do not limit myself to particular proportions, the following example indicates a preferred case, in accordance with the invention.
- 45 An ointment or cream is made by combining processes. For example, fatty acid such as stearic acid is melted by heating to the requisite temperature usually between 70°F. and 180°F., and to this is added from approximately 50% by weight of alcohol and a saturated solution of an alkali, such as Potassium Hydroxide, is then prepared with the prepared grease base is heated to melting point approximately 90°F., and the alkaline
- 50 The mix is agitated and the temperature is gradually raised to approximately 300°F. and maintained at this temperature until a powder or solid is obtained. During this process, oils, such as almond oil and the like or cosmetic or therapeutic substances are added, the addition depending upon the nature of the ointment or cream to be made. After cooling, the powder is stored until required, and the ointment or cream can be returned to its original consistency by adding water and mixing. For example, 3 parts of water, added to 1 lb. of substance, it will be clear that the bulk of the cream is reduced considerably for storage and transport.
- 80 Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is—
1. A process for manufacturing a soap base from which a cosmetic cream or the like may be produced by the addition of water, said process consisting in mixing with saponifiable fat or fatty acid an alkaline agent, and raising the temperature to approximately 300°F.-350°F., and maintaining the mixture at this temperature until a dry, powder-like substance is formed.
2. A process as claimed in Claim 1, characterized in that, prior to the mixing of the fat with the alkaline solution, the said fat in its liquid state is mixed with approximately 5%-15% by weight of a weak acid, such as acetic acid, and then cooled.
3. A process as claimed in Claim 2, wherein the alkaline solution consists of a saturated solution of potassium hydroxide of which between 10% and 50% by weight is added to the fat.
4. A process as claimed in any of the preceding claims, wherein cosmetic, therapeutic or like substances are added during the final heating.
5. The powder or solid when formed from a saponifiable fat or fatty acid by the process as claimed in any of the preceding Claims.
6. A process as claimed in any of the preceding Claims, characterized in that the mixture is allowed to cool and is left for at least 24 hours.
- 75 A saturated solution of an alkali, such as Potassium Hydroxide, is then prepared with the prepared grease base is heated to melting point approximately 90°F., and the alkaline
- 80 Printed for His Majesty's Stationery Office by the Radcliffe Indicator Co., Ltd., Radcliffe, Leeds, at the Patent Office, 25, Southampton Buildings, London, W.C.2. From which copies, price 3s. 6d. each, may be obtained.
- (Signed) J. D. (Attorney) may be obtained.

Agents for the Applicant
London, B.C.4
146a Queen Victoria Street,
Registered Patent Agent,
B. T. KING, A. Welch B., Director.
KING'S PATENT AGENCY LIMITED,
146a Queen Victoria Street,
London, B.C.4
Dated this 18th day of July, 1947.